

ABSTRACT OF THE DISCLOSURE

A diecasting machine capable of realizing highly precise injection of molten metal at high-speed without using an accumulator is provided, which includes: an injection cylinder for loading molten metal into a mold cavity by injection; a single two-way hydraulic pump driven by a driving motor for supplying hydraulic fluid to the injection cylinder in two directions; a hydraulic circuit for driving the injection cylinder by controlling supply of hydraulic fluid from the two-way hydraulic pump to the injection cylinder and discharge of hydraulic fluid from the injection cylinder which proceeds in accordance with movement of a piston of the injection cylinder; and a hydraulic controller for controlling rotational speed of the driving motor associated with the two-way hydraulic pump in injection/loading the molten metal and controlling torque of the driving motor in dwelling.